

# LuminUltra's SARS-CoV-2 Environmental Monitoring Solutions



LuminUltra's Environmental Monitoring Solutions are used to detect the presence of SARS-CoV-2 - the virus that causes COVID-19 – within environments that might act as a source of virus transmission to other people. Users are able to determine the presence of the virus using a specific test kit, test procedure, and sample measuring device. Results are available more quickly, accurately, and reliably than with other approaches.

A series of procedural steps convert the virus collected during a sampling event into something measurable with a well-established method, reverse transcription quantitative polymerase chain reaction (RT-qPCR). GeneCount is an indispensable tool to verify that an environment has been effectively returned to a safe state so people can work, live and play with confidence.

## Key Benefits

- Rapid and accurate virus detection using LuminUltra's trusted GeneCount qPCR-based testing method that uses the same principles applied in human clinical tests
- Sample and test surfaces, air, water, and wastewater
- Results are achieved without sending samples to a lab
- Test up to 94 samples simultaneously, depending on model
- Useable in the field or in a laboratory setting without in-depth scientific training
- Training and ongoing support are available from LuminUltra applications experts
- Instrument can be used for detecting other organisms and viruses
- Evaluate overall surface cleanliness with rapid 2<sup>nd</sup> Generation ATP® testing



*Ask us for a business case for using LuminUltra's microbial monitoring solutions to reduce risk and save you time and money.*

**LUMINULTRA®**  
microbial monitoring

## Application Areas

- Hotels
- Aircraft interiors
- Office spaces
- Mass transit - buses, trains
- Industrial complexes
- Retail outlets
- Cruise ships
- Medical facilities
- Public areas
- Restaurants
- Food processing and supply chains

## Components

- GeneCount qPCR equipment set
- RNA preservation kits
- RNA purification kits
- Targeted qPCR reagent/assay panels

## How It Works



Sample is collected from the test surface using a sampling swab



Sample is preserved with a preservation buffer



RNA is purified



Purified RNA is mixed with reagents to transcribe the RNA to DNA and amplified for measurement of SARS-CoV-2 in the LuminUltra GeneCount qPCR device



Results are reported as positive/present or negative/nonpresent



Founded in 1995, LuminUltra is a molecular biology diagnostic testing company headquartered in Canada with operations in 6 countries. It is widely recognized globally as a leader in developing tests and reagents for environmental, industrial, and diagnostic monitoring and is a key supplier of COVID-19 diagnostic testing reagents to the Government of Canada. Customers in over 80 countries trust LuminUltra's technology, production reliability and history of customer service excellence to deliver their essential services in a safe state.

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